

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	BR000-0001-00(366)	181	301

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND 2008 SUPPLEMENTAL SPECIFICATIONS AS MODIFIED BY CONTRACT DOCUMENTS.

REINFORCING STEEL - PLACE AND TIE ALL REINFORCING STEEL IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. DO NOT WELD REINFORCING STEEL.

CHAMFER - CHAMFER ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROLS - SEE ROADWAY PLANS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - ORIGINAL BRIDGE PLANS MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 347-0600. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER B.A.(3)1049(8).

WAITING PERIOD - NONE REQUIRED.

PLAN DRIVING OBJECTIVE - SEE SUBSTRUCTURE DETAILS.

PILE DRIVING - SHOULD PILES FAIL TO OBTAIN DRIVING RESISTANCE AFTER ACHIEVING THE PILE TIP ELEVATIONS SHOWN, ALLOW PILES TO FREEZE A MINIMUM OF 24 HOURS AND RESTRIKE WITH A WARM HAMMER.

BENT NUMBER	PILE TIP ELEVATION
1 THRU 7	EL. 92.0
8 AND 9	EL. 87.0

TEST PILES - DRIVE TEST PILES AT THE FOLLOWING LOCATIONS:

- ONE 16 IN SQ PSC X 46 FT AT BENT 2 LEFT
- ONE 16 IN SQ PSC X 46 FT AT BENT 6 RIGHT
- ONE 14 IN SQ PSC X 52 FT AT BENT 9 LEFT

SMOOTH DOWEL BARS - PLACE SMOOTH DOWEL BARS IN FORMED 3" DIAMETER X 12" DEEP HOLES AND GROUT IN PLACE SIMILAR TO ANCHOR BOLTS, SEE SUB-SECTION 501.3.05.B.3 OF THE GEORGIA DOT SPECIFICATIONS. STIRRUPS MAY BE SHIFTED SLIGHTLY TO CLEAR FORMED HOLES.

STANDARD PLAN MODIFICATION - MODIFY THE APPROACH SLAB STANDARD TO INCREASE THE 3/4" EXPANSION JOINT SHOWN BETWEEN THE APPROACH SLAB AND THE BACK FACE PAVING REST AND END POST TO 1 1/4". SEE ROADWAY PLANS FOR APPROACH SLAB PAYMENT.

GROOVED CONCRETE - GROOVE THE ENTIRE LENGTH OF THE BRIDGE TRANSVERSELY AS PER SUB-SECTION 500.3.05.T.9.C OF THE GEORGIA DOT SPECIFICATIONS.

PSC BEAMS - PRESTRESSED CONCRETE AASHTO TYPE I MODIFIED BEAMS SHALL BE PAID FOR AS "LF PSC BEAMS, AASHTO TYPE I".

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE OFFICE OF MATERIALS AND RESEARCH. USE ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DOT.

INCIDENTAL ITEMS - INCLUDE THE COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF WATERPROOFING, JOINT FILLERS, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

BRIDGE CONSISTS OF

- 8 - 40'-0" TYPE I MOD PSC BEAM SPANS ----- SPECIAL DESIGN
- 2 - PSC PILE END BENTS ----- SPECIAL DESIGN
- 7 - PSC PILE INTERMEDIATE BENTS ----- SPECIAL DESIGN
- 4 - END POST AND GUARDRAIL ATTACHMENT DETAIL ----- GA. STD. 3054 (9-30-02)
(L = 4'-0"; W = 1'-1"; H = 2'-8")
- SQUARE PRESTRESSED CONCRETE PILES ----- GA. STD. 3215 (2-22-84)
- BAR BENDING DETAILS ----- GA. STD. 3901 (8-69)
- TYPICAL FILL DETAIL AT END OF BRIDGE ----- GA. STD. 9037 (9-99)

DRAINAGE DATA

DRAINAGE AREA ----- 5110.0 SQ MILES					
FLOOD FREQUENCY	TOTAL DISCHARGE	*DISCHARGE THROUGH BRIDGE	MEAN VELOCITY	AREA OF OPENING UNDER FLOODSTAGE	BACKWATER
50 YEAR	86400 CFS	2300 CFS	1.21 FPS	1,904 SQ FT	0.27 FT
100 YEAR	95700 CFS	2767 CFS	1.27 FPS	2,176 SQ FT	0.31 FT
500 YEAR	116000 CFS	3551 CFS	1.40 FPS	2,742 SQ FT	0.37 FT
* REMAINDER OF DISCHARGE FLOWS THROUGH BRIDGE NO'S 1 AND 3					

TRAFFIC DATA

TRAFFIC -----	ADT = 6,500 (2008) ADT = 10,000 (2028)
DESIGN SPEED -----	65 MPH
TRUCKS -----	8 %
24 HR TRUCKS -----	10 %
DIRECTIONAL -----	60 %

DESIGN DATA

SPECIFICATIONS -----	AASHTO 17TH EDITION, 2002 (DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)
TYPICAL HS20-44 AND/OR MILITARY LOADING -----	IMPACT ALLOWED
FUTURE PAVING ALLOWANCE -----	30 LBS PER SQ FT
CONCRETE: SUPERSTRUCTURE -----	CLASS AA, f'_c = 3,500 PSI
PSC BEAMS -----	CLASS AAA, f'_c = SEE BEAM SHEETS
PSC BEAM ALLOWABLE TENSION -----	SEE BEAM SHEETS
SUBSTRUCTURE -----	CLASS A, f'_c = 3,000 PSI
REINFORCEMENT STEEL: -----	GRADE 60, f_y = 60,000 PSI
PRETENSIONING STRANDS: -----	f'_p = 270,000 PSI

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
500-0100	1352	SY	GROOVED CONCRETE
500-1006	LUMP	LS	SUPERSTR CONCRETE, CL AA, BR NO - 2 (389)
500-2100	628	LF	CONCRETE BARRIER
500-3101	104	CY	CLASS A CONCRETE
507-9001	1562	LF	PSC BEAMS, AASHTO TYPE I, BR NO - 2
511-1000	11039	LB	BAR REINF STEEL
511-3000	LUMP	LS	SUPERSTR REINF STEEL, BR NO - 2 (112863)
520-2214	371	LF	PILING, PSC, 14 IN SQ
520-2216	1311	LF	PILING, PSC, 16 IN SQ
520-3214	1	EA	TEST PILE, PSC, 14 IN SQ
520-3216	2	EA	TEST PILE, PSC, 16 IN SQ
520-4214	1	EA	LOAD TEST, PSC, 14 IN SQ (IF REQD)
520-4216	1	EA	LOAD TEST, PSC, 16 IN SQ (IF REQD)
540-1102	LUMP	LS	REMOVAL OF EXISTING BR, BR NO - 2
603-2024	1280	SY	STN DUMPED RIP RAP, TP 1, 24 IN
603-7000	1280	SY	PLASTIC FILTER FABRIC

BRIDGE NO. 2

GEORGIA

DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

GENERAL NOTES SHEET
S.R. 30 (U.S. 280) OVER THE OCONEE
RIVER OVERFLOW
WHEELER-MONTGOMERY COUNTIES
BR000-0001-00(366)

NO SCALE
JULY 2009

DRAWING NO.
35-31
BRIDGE SHEET
2 OF 11

DATE
BY
REVISIONS

DESIGNED LEL
DRAWN WMC

CHECKED DDF
DESIGN GROUP SWW

REVIEWED WMD
APPROVED PVL

FILENAME: W0001366B2.DGN